

# Converting Colors

$Yxy(47.2736, 0.2263, 0.2953)$

Have a look what the booklet for  
Yxy(47.2736, 0.2263, 0.2953)  
contains.

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# Color

**Yxy(47.0398, 0.2262, 0.2951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48C6DE
RGB	72, 198, 222
RGB Percent	28%, 78%, 87%
CMY	0.7174, 0.2235, 0.1293
CMYK	0.68, 0.11, 0.00, 0.13
HSL	190°, 69%, 58%
HSV	190°, 68%, 87%
XYZ	36.0569, 47.0398, 76.3062
YIQ	163.0620, -82.8000, -19.2480

# Conversions

## Conversions Part 2

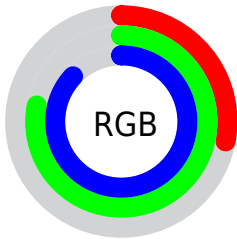
Format	Color
R <sub>Y</sub> B	72, 140, 222
Decimal	4769502
CIE Lab	74.22, -26.90, -22.11
CIE LCh	74, 34.821, 219.408
Yxy	47.0398, 0.2262, 0.2951
Android (android.graphics.Color)	4282959582 (0xFF48C6DE)
YUV	163.0620, 29.0564, -79.8614
Hunter-Lab	68.5856, -26.1834, -17.9543

# Details

The Yxy color **47.0398, 0.2262, 0.2951** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.3848, 0.5155, 0.3541**, and the grayscale version is **36.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **22.7365, 0.2125, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **44.7285, 0.2192, 0.2893**, and if you desaturate by 10%, it is **49.7008, 0.2351, 0.3008**.

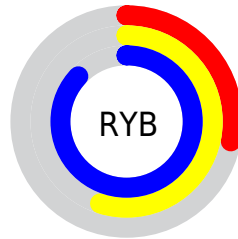
# Distribution



Red (28%)

Green (78%)

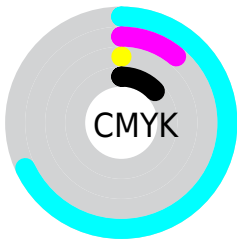
Blue (87%)



Red (28%)

Yellow (55%)

Blue (87%)

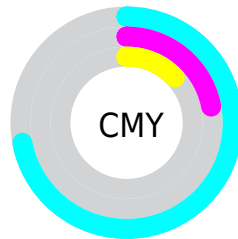


Cyan (68%)

Magenta (11%)

Yellow (0%)

Black (13%)



Cyan (72%)

Magenta (22%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0398, 0.2262, 0.2951 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 47.0398, 0.2262, 0.2951 by changing the saturation by 10% instead.



47.0398, 0.2262,  
0.2951

47.0398, 0.2262,  
0.2951

374.9734, 0.2678,  
0.3132

33.0671, 0.2164,  
0.2903

85.7730, 0.2409,  
0.3019

22.1779, 0.2042,  
0.2841

111.3024, 0.2465,  
0.3044

13.9877, 0.1887,  
0.2757

141.4527, 0.2513,  
0.3064

8.1121, 0.1683,  
0.2637

176.6085, 0.2555,  
0.3082

4.1667, 0.1408,  
0.2457

217.1540, 0.2592,  
0.3097

1.7673, 0.1027,  
0.2164

263.4737, 0.2624,

0.4667, 0.0000,

0.3110

0.1565

315.9521, 0.2652,  
0.3122

0.0000, 0.0000,  
0.0000

47.0398, 0.2262,  
0.2951

47.0398, 0.2262,  
0.2951

44.7285, 0.2192,  
0.2893

49.7008, 0.2351,  
0.3008

42.7266, 0.2141,  
0.2836

52.7363, 0.2458,  
0.3064

40.9879, 0.2108,  
0.2779

56.1747, 0.2581,  
0.3117

40.5827, 0.2102,  
0.2765

60.0397, 0.2716,  
0.3168

64.3535, 0.2860,  
0.3216

■ 69.1362, 0.3011,  
0.3260

■ 74.4069, 0.3165,  
0.3299

■ 80.1835, 0.3320,  
0.3335

■ 83.1393, 0.3354,  
0.3370

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.0398, 0.2455, 0.3410



47.0398, 0.2262, 0.2951



47.0398, 0.2278, 0.2638

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.0398, 0.2262, 0.2951



47.0398, 0.3383, 0.2796



47.0398, 0.3751, 0.4125

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.0398, 0.2262, 0.2951



24.3848, 0.5155, 0.3541

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.0398, 0.4042, 0.3875



47.0398, 0.2262, 0.2951



47.0398, 0.3830, 0.3126

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.0398, 0.2262, 0.2951



47.0398, 0.2892, 0.2578



47.0398, 0.4077, 0.3510



47.0398, 0.3304, 0.4144

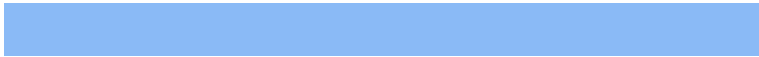


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0398, 0.2262, 0.2951



47.0398, 0.2403, 0.2536



47.0398, 0.4077, 0.3510



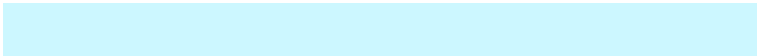
47.0398, 0.3871, 0.4061

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.0415, 0.2262, 0.2951



86.4732, 0.2822, 0.3204



54.4561, 0.2941, 0.5191



18.1472, 0.2780, 0.3190



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

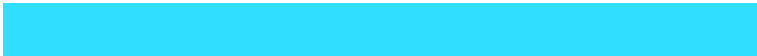


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.0415, 0.2262, 0.2951



60.0488, 0.2169, 0.2870



21.2079, 0.1989, 0.1823



15.1787, 0.2982, 0.3251



24.2352, 0.2104, 0.2774



1.7814, 0.2128, 0.2861



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.2531, 0.3474, 0.1976



28.6795, 0.3561, 0.1841



44.5795, 0.4447, 0.4349



13.8959, 0.3162, 0.3095



11.3546, 0.3659, 0.1789

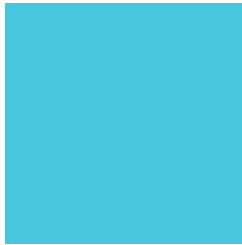


0.7973, 0.3578, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 47.0398, 0.2262, 0.2951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

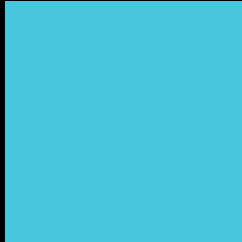
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0398, 0.2262, 0.2951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.0398, 0.2262, 0.2951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.0398, 0.2262, 0.2951.



This preview shows how white text looks on a background with the Yxy color 47.0398, 0.2262, 0.2951.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

47.0398, 0.2262, 0.2951

### Protanopia

46.5258, 0.2868, 0.2909

### Deuteranopia

46.5008, 0.2742, 0.2686



## Tritanopia

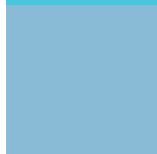
46.9821, 0.2284, 0.3059

# Trichromacy



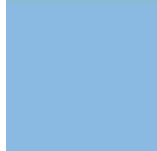
## Original Color

47.0398, 0.2262, 0.2951



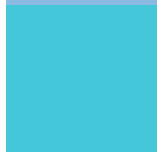
## Protanomaly

45.7990, 0.2580, 0.2926



## Deuteranomaly

45.5374, 0.2513, 0.2763



## Tritanomaly

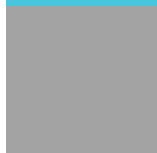
47.1740, 0.2274, 0.3019

# Monochromacy



## Original Color

47.0398, 0.2262, 0.2951



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

39.2572, 0.2696, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0398, 0.2262, 0.2951 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(72, 198, 222)` looks like.

```
.text, #text, p{  
    color:rgb(72, 198, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(72, 198, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 198, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0398, 0.2262, 0.2951 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 198, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(72, 198, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(72, 198, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 198, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 198, 222);  
box-shadow:4px 4px 4px 4px rgb(72, 198,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0398, 0.2262, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 198, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(72, 198,  
222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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